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(54) METHOD FOR GRINDING METALLIC HYDROXIDE AND PRODUCTION OF METALLIC HYDROXIDE FOR RESIN FILLER BY USING THE METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To prevent the incorporation of coarse particles into a product by continuously charging a metallic hydroxide and air of a specific ratio into a dry ball mill to grind the metallic hydroxide such as aluminum hydroxide used as a filler for resins or rubber. **SOLUTION:** In the case of grinding the metallic hydroxide, 100 pts.vol. metallic hydroxide and 100-300 pts.vol. air are continuously charged into the dry ball mill and treated. When the quantity of air is smaller than 100 pts.vol., there is no effect to suppress re-aggregation, and the coarse particles are incorporated into the resultant product. When the quantity of air is larger than 3000 pts.vol., a part of the metallic hydroxide is discharged from the ball mill without being sufficiently ground. As the metallic hydroxide, aluminum hydroxide, magnesium hydroxide or the like is exemplified. The metallic hydroxide preferably has usually about 20 μ m to about 120 μ m average particle diameter and 1.5 m²/g BET specific surface area.

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